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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 8	JAN 29	PHAR reloaded with new search and display fields
NEWS 9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13	FEB 26	MEDLINE reloaded with enhancements
NEWS 14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS 15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19	MAR 16	CASREACT coverage extended
NEWS 20	MAR 20	MARPAT now updated daily
NEWS 21	MAR 22	LWPI reloaded
NEWS 22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS 24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS 26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS 28	MAY 01	New CAS web site launched
NEWS 29	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 30	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 31	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 32	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 33	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 34	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:10:47 ON 13 JUN 2007

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:11:12 ON 13 JUN 2007
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STRUCTURE FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7
DICTIONARY FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

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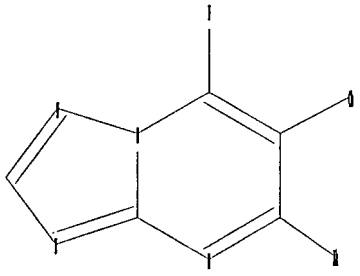
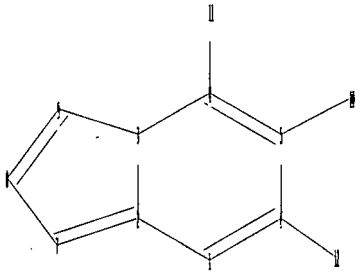
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10 series\10531981\10531981a.str





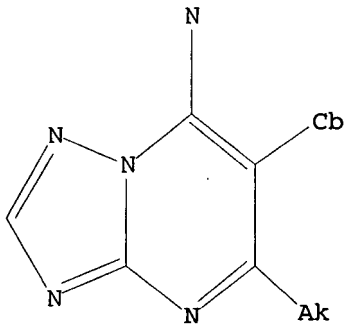
chain nodes :
10 11 12
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
4-11 5-10 6-12
ring bonds :
1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9
exact/norm bonds :
1-6 1-2 2-7 2-3 3-9 3-4 4-5 4-11 5-6 6-12 7-8 8-9

exact bonds :
5-10

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 18:11:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 587 TO ITERATE

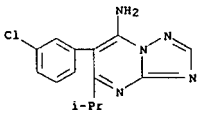
100.0% PROCESSED 587 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10287 TO 13193
PROJECTED ANSWERS: 11 TO 389

L2 10 SEA SSS SAM L1

=> d scan

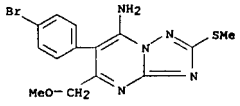
L2 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3-chlorophenyl)-5-(1-methylethyl)-
MF C14 H14 Cl N5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(4-bromophenyl)-5-(methoxymethyl)-2-(methylthio)-
MF C14 H14 Br N5 O S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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=> s l1 sss full
FULL SEARCH INITIATED 18:12:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    11357 TO ITERATE

100.0% PROCESSED    11357 ITERATIONS                          163 ANSWERS
SEARCH TIME: 00.00.01

L3          163 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                             172.55     172.76

FILE 'CAPLUS' ENTERED AT 18:12:36 ON 13 JUN 2007
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FILE COVERS 1907 - 13 Jun 2007  VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007  (20070612/ED)

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http://www.cas.org/infopolicy.html

=> s l3
L4          20 L3

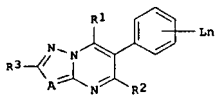
=> s l3 not pd>20021107
            20 L3
       5385470 PD>20021107
                 (PD>20021107)
L5           6 L3 NOT PD>20021107

=> d l5 1-6 ibib abs hitstr
```

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:807309 CAPLUS
DOCUMENT NUMBER: 137:325424
TITLE: Preparation of 5-(haloalkyl)azolopyrimidines and their use as pesticides
INVENTOR(S): Miyahara, Osamu; Hamamura, Hiroshi; Hirai, Yukio; Yokota, Yori
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002308879	A	20021023	JP 2001-115989	20010413
PRIORITY APPLN. INFO.:			JP 2001-115989	20010413

OTHER SOURCE(S): MARPAT 137:325424
GI



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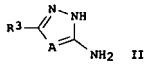
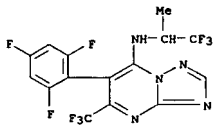


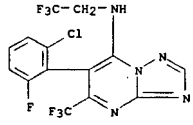
II

AB Title compds. I [R1 = H, OH, halo, C1-8 (halo)alkyl, C2-8 alkenyl, C2-8 alkynyl, C3-8 cycloalkyl, (un)substituted heterocyclyl, (un)substituted aryl, amino, etc.; R2 = C1-8 haloalkyl; R3 = H, C1-4 alkyl, (un)substituted aryl; L = halo, C1-4 alkyl, C1-3 haloalkyl, C1-4 alkoxy, C1-3 haloalkoxy; n = 0-5; A = N, CH] or their salts are useful as marine antifouling agents, insecticides, acaricides (no data), and agrochem. fungicides. I (R1 = OH; R2, R3, L, n, A = same as above) are prepared by treatment of R2COCH(C6H5-nLn)CO2R4 [R2, L, n = same as above; R4 = C1-4 alkyl, (un)substituted Ph] with azoles II (R3, A = same as above). Thus, I (R1 = OH, R2 = CF3, R3 = H, Ln = 2-Cl-6-F-C6H3, A = N) was chlorinated with POCl3 to give the corresponding chloride with 52% yield, which was

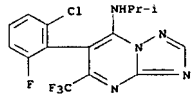
L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-(trifluoromethyl)-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



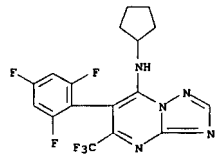
L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
condensed with 4-pipecoline to afford 85% I (R1 = 4-pipecolino, R2 = CF3, R3 = H, Ln = 2-Cl-6-F-C6H3, A = N). The product showed ≥75% antifungal activity against Venturia inaequalis.
IT 473435-13-1P 473435-15-3P 473435-26-6P
473435-28-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation of 5-(haloalkyl)azolopyrimidines as pesticides)
RN 473435-13-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoroethyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473435-15-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-(1-methylethyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473435-26-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-5-(trifluoromethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

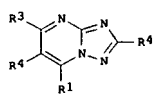


RN 473435-28-8 CAPLUS

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:637565 CAPLUS
DOCUMENT NUMBER: 137:185499
TITLE: Preparation of triazolopyrimidines as thrombin inhibitors
INVENTOR(S): Williams, Peter D.; Coburn, Craig; Burgey, Christopher; Morrissette, Matthew M.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 184 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064211	A1	20020822	WO 2002-US4654	20020205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002247158	A1	20020828	AU 2002-247158	20020205
PRIORITY APPLN. INFO.:			US 2001-267813P	P 20010209
			WO 2002-US4654	W 20020205

OTHER SOURCE(S): MARPAT 137:185499
GI



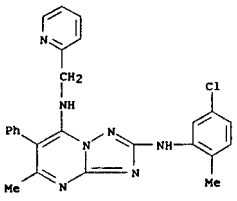
I

AB Title compds. [I; R1 = H, halo, OH, NH(CH2)nR5, NHCH2CF2R5, etc.; n = 1-3;
R2 = H, (CH2)mR6, SO2R6; m = 0-2; R3 = H, alkyl, cycloalkyl, CF3; R2R3 = atoms to form a 5-7 membered nonheterocyclic ring; R4 = CH2R7, NH(CH2)mR7;
R5 = H, pyridine oxide, tetrahydrothiophene dioxide, (substituted) (hetero)cyclyl, etc.; R6 = pyridine oxide, (substituted) (hetero)cyclyl, etc.; R7 = (substituted) Ph, pyridyl], were prepared Thus, 3-(2-methyl-5-chlorophenylamino)-5-amino-1,2,4-triazole (preparation given) and
Et acetoacetate in HOAc were heated to reflux for 18 h. to give 2-(2-methyl-5-chlorophenylamino)-5-methyl-7-hydroxy-1,2,4-triazolo[1,5-a]pyrimidine. The latter was refluxed 1 h with POCl3 to give the 7-chloro
derivative which was heated with 2-(2-pyridyl)ethylamine at 100° for 30 min. to give 2-(2-methyl-5-chlorophenylamino)-5-methyl-7-[2-(2-

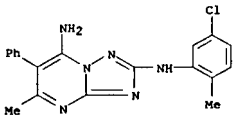
L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
pyridyl)ethylamino]-1,2,4-triazolo[1,5-a]pyrimidine dihydrochloride (II). I inhibited thrombin with IC50<24 nM. II drug compns. are given.

IT 450399-07-2P 450399-08-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of triazolopyrimidines as thrombin inhibitors)

RN 450399-07-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine-2,7-diamine, N2-(5-chloro-2-methylphenyl)-5-methyl-6-phenyl-N7-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



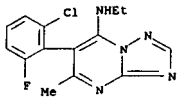
RN 450399-08-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine-2,7-diamine, N2-(5-chloro-2-methylphenyl)-5-methyl-6-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 220482-12-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-ethyl-5-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:761522 CAPLUS
DOCUMENT NUMBER: 131:351347
TITLE: Preparation of fungicidal 5-alkyl-triazolopyrimidines
INVENTOR(S): Pfrengle, Waldemar
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5994360	A	19991130	US 1998-115496	19980714
PRIORITY APPLN. INFO.:			US 1997-52407P P	19970714

OTHER SOURCE(S): MARPAT 131:351347
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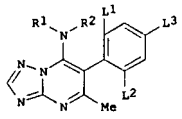
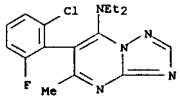


I

AB The title compds. [I; NR1R2 = piperidino, 4-methylpiperidino; L1-L3 = H, F, Cl (at least one of which being F or Cl) which show selective fungicidal activity, were prepared Thus, reacting 6-(2-chloro-6-fluorophenyl)-5-chloro-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidine with di-Et malonate in the presence of NaH in MeCN followed by treatment of the resulting di-Et [6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidin-yl]malonate with concentrate HCl afforded I [R1R2 = (CH2)2CH(Me)(CH2)2; L1 = Cl; L2 = F; L3 = H]
which showed ED50 > 90 at 0.2 mg/mL in test with Alternaria solani.

IT 220482-11-1P 220482-12-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fungicidal 5-alkyl-triazolopyrimidines)

RN 220482-11-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-methyl- (9CI) (CA INDEX NAME)

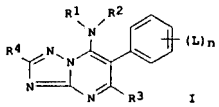


L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:106975 CAPLUS
DOCUMENT NUMBER: 130:168390
TITLE: Preparation of 5-alkyltriazolopyrimidines, and agrochemical bactericidal and fungicidal compositions containing them
INVENTOR(S): Pfrengle, Waldermar Franz Augustin
PATENT ASSIGNEE(S): American Cyanamid Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11035581	A	19990209	JP 1998-208531	19980709
FR 2765875	A1	19990115	FR 1998-8423	19980701
FR 2765875	B1	19991119		
PRIORITY APPLN. INFO.:			US 1997-892495 A	19970714

OTHER SOURCE(S): MARPAT 130:168390
GI



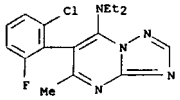
I

AB The title compds. I [R1 = (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R1NR2 may form (un)substituted heterocyclyl; R3 = alkyl;
R4 = H, alkyl, aryl; L = halo, (un)substituted alkyl, alkoxy; A = N, CR5; R5 = similar group as shown in R4; n = 0-5] are claimed. I (R1, R2, R4, A, L, n = same as above; R3 = Me) are prepared by treatment of 5-haloazopyrimidines I (R1, R2, R4, A, L, n = same as above; R3 = halo) with alkyl malonate in the presence of bases, then heating the resulting modified malonate esters with acids. I [R1NR2 = 4-methylpiperidin-1-yl, R3 = CH(CO2Et)2, R4 = H, A = N, Ln = 2-Cl, 6-F] (0.5 g) was treated with concentrated HCl at 80° for 24 h to give 0.27 g I (R1NR2, R4, A, Ln = same as above, R3 = Me), which showed strong antimicrobial activities.

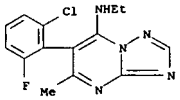
IT 220482-11-1P 220482-12-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-alkyltriazolopyrimidines as agrochem. bactericides and fungicides)

RN 220482-11-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-methyl- (9CI) (CA INDEX NAME)

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 220482-12-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-ethyl-5-methyl- (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1983:215609 CAPLUS
DOCUMENT NUMBER: 98:215609
TITLE: 7-Aminoazolo[1,5-a]pyrimidines and fungicides containing them
INVENTOR(S): Eicken, Karl; Scheib, Klaus; Theobald, Hans; Pommer, Ernst Heinrich; Ammermann, Eberhard
PATENT ASSIGNEE(S): BASF A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3130633	A1	19830217	DE 1981-3130633	19810801
EP 71792	A2	19830216	EP 1982-106335	19820715
EP 71792	A3	19830406		
EP 71792	B1	19850130		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 11539	T	19850215	AT 1982-106335	19820715
IL 66358	A	19850830	IL 1982-66358	19820720
CA 1180329	A1	19850101	CA 1982-407815	19820722
DD 202093	A5	19830831	DD 1982-242024	19820728
CS 226748	B2	19840416	CS 1982-5723	19820729
DK 8203416	A	19830202	DK 1982-3416	19820730
DK 160020	B	19910114		
DK 160020	C	19910603		
AU 8286659	A	19830210	AU 1982-86659	19820730
AU 553663	B2	19860724		
JP 58043974	A	19830314	JP 1982-132278	19820730
JP 02061955	B	19901221		
ZA 8205498	A	19830727	ZA 1982-5498	19820730
HU 30908	A2	19840428	HU 1982-2474	19820730
HU 188325	B	19860428		
US 4567263	A	19860128	US 1984-651660	19840918

PRIORITY APPLN. INFO.: DE 1981-3130633 A 19810801
EP 1982-106335 A 19820715
US 1982-401346 A1 19820723

OTHER SOURCE(S): MARPAT 98:215609
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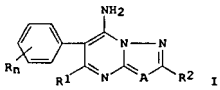
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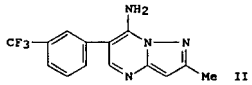
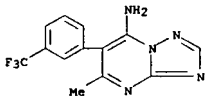
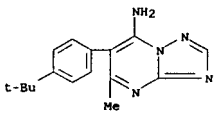

II

AB I (R = alkyl, aryl, alkoxy, halo, cycloalkyl, cyano, etc.; n = 1 or 2; R1,

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
R2 = H, alkyl, aryl; A = N or CR3, where R3 = alkyl, aryl, halo, etc.) were prepd. and shown to be superior as fungicides to, e.g., N-[(trichloromethyl)thio]phthalimide. Thus, 3-CF3C6H4CH(CN)CHO was refluxed with 5-methyl-3-pyrazolamine in AcOH 4 h to give II.
IT 85841-24-3P 85841-37-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as fungicide)
RN 85841-24-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 85841-37-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl- (CA INDEX NAME)



L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1948:33759 CAPLUS
DOCUMENT NUMBER: 42:33759
ORIGINAL REFERENCE NO.: 42:7178h-i,7179a-i,7180a-i
TITLE: Stabilizers for photographic emulsions
INVENTOR(S): Heimbach, Newton; Kelly, Walter, Jr.
PATENT ASSIGNEE(S): General Aniline & Film Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

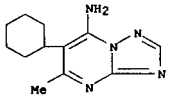
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2444605		19480706	US 1945-635334	19451215

GI For diagram(s), see printed CA Issue.
AB Light-sensitive Ag halide emulsions are stabilized by hydroxy-1,3,4-triazaindolizines (I) obtained by the condensation of a β-keto ester, a malonic acid ester, or a mononitrile of a malonic acid ester with an aminotriazole. In I R is H, alkyl, alicyclic, aryl, or heterocyclic, R' is H, alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R, and R'' is either NH2, OH, carbalkoxy, alkyl, or an alicyclic or heterocyclic radical of the same value as R. When R and R' are H, R'' must be a radical other than alkyl. I is prepared by refluxing 1 mol. of the β-keto ester, malonic ester, or mononitrile of a malonic ester with 1 mol. 3-amino-1,2,4-triazole at reflux temperature in the presence of a solvent, e.g., glacial AcOH, 3-8 hrs.; during the treatment H2O and alc. are formed. As the condensation proceeds the final product either ppts. from solution during the reaction or is removed by diluting the solvent with H2O, EtOH, etc. Suitable β-keto esters are acetoacetic ester, malonic esters and mononitriles are di-Me malonate, Et cyanoacetate, and 5-amino-1,2,4,1H-triazoles are 5-amino-3-methyl-1,2,4,1H-triazole, etc. The following 1,3,4-triazaindolizines have been prepared: 7-hydroxy-6-ethyl-5-methyl (II); 7-hydroxy-6-ethyl-2,5-dimethyl; 7-hydroxy-5-methyl-2-phenyl; 7-hydroxy-2-methyl-5-phenyl; 7-hydroxy-5-phenyl (III); 7-hydroxy-2,5-diphenyl; 7-hydroxy-2-isopropyl-5-methyl; 7-hydroxy-2,5-dimethyl; 5,7-dihydroxy; 7-hydroxy-5-amino; 7-hydroxy-5-carbethoxy; 7-hydroxy-5-(3-pyridyl) (IV); 7-hydroxy-2-cyclohexyl-5-methyl; 7-hydroxy-2-(2-furyl)-5-methyl; 7-hydroxy-5-cyclohexyl; 7-hydroxy-6-cyclohexyl-5-methyl; 7-hydroxy-6-(2-furyl)-5-methyl; 7-hydroxy-5-methyl-6-phenyl. In preparing an emulsion with stabilizers, a solution of the stabilizer in a solvent, e.g., alc. or alc.-H2O, pH 7.5-10, is made and the solution mixed with the emulsion during ripening or prior to coating in concns. of 25-500 mg. per l. of emulsion. Testing of stabilizers used in the following examples consists of coating 2 film strips, e.g., cellulose acetate, with the same emulsion, one with and one without a stabilizer, storing the emulsions in an incubator for 6 days at 50°, then processing in the usual way. The fog d. in the unexposed areas in the emulsions is measured in a transmission densitometer. A gelatin-bromoiodide emulsion without stabilizer gave a fog d. of 0.28 while another film coated with the same emulsion containing an addition of 100 mg. IV per 1 l. emulsion equivalent to 50 g. Ag halide, gave a fog d. of 0.08; an equivalent quantity of III substituted for IV gave the same results; 75 mg. II substituted for 100 mg. IV gave a fog d. of 0.1.

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Emulsions contg. these stabilizers not only reduce fog produced by incubation or by long storage, but also diminish or eliminate changes of speed to which some emulsions are susceptible. Stabilizers are used in orthochromatic, panchromatic, nonsensitized, and x-ray emulsions. If used with sensitizing dyes they are added to the emulsion before or after the dyes are added. Dispersing agents for Ag halides are gelatin or H2O-sol. cellulose derivs., e.g., hydroxyethylcellulose. Stabilizers are employed in gelatin or other colloid, e.g., polyamides, as an under- or overcoat for the emulsion or as backing layer for the support. They may be incorporated in the support for the sensitive emulsion layer or in an intermediate layer between the sensitive emulsion layer and the support, such as the baryta coating used in photographic papers, or incorporated in a protective layer coated on the emulsion surface, or the finished photographic material may be bathed in an alc. or alc.-H2O soln. contg. the stabilizer. In U.S. 2,444,606, I are obtained by the condensation of a β-keto or β-imino nitrile with a 5-amino-1,2,4,1H-triazole; R and R' are H, alkyl, alicyclic, aryl, or a heterocyclic radical, and R'' is either alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R. Suitable β-keto nitriles are acetylacetonitrile and β-imino nitriles, β-iminobutyronitrile. As condensation between the β-keto or β-imino group and the primary amino group of the 5-amino-1,2,4,1H-triazole proceeds the final product either ppts. or is removed by dilg. the solvent with H2O, EtOH, or Me2CO. The following 1,3,4-triazaindolizines have been prepd.: 7-amino-5-methyl (V); 7-amino-5-phenyl (VI); 7-amino-5-methyl-2-phenyl (VII); 7-amino-6-ethyl-5-methyl; 7-amino-5-methyl-6-phenyl; 7-amino-2-(2-furyl)-5-methyl; 7-amino-5-(3-pyridyl); 7-amino-2,5-dimethyl; 7-amino-2-cyclohexyl-5-methyl; 7-amino-5-cyclohexyl; 7-amino-5-methyl-6-(3-pyridyl); 7-amino-5-methyl-6-cyclohexyl. The same testing procedures as in U.S. 2,444,605 were used: In the 1st example, V gave the same results; in the 2nd example, VI gave the same results; in the 3rd example, 75 mg. VII substituted for 100 mg. V gave a fog d. of 0.1. In U.S. 2,444,608, the prepn. of 1,3-bis(5-amino-1,3,4,1H-triazolyl)oxopropenes (VIII), where R is H or alkyl, R' is alkyl of the same value as R, aryl, or aralkyl, and R'' is either H, allyl, or alkyl of the same value as R, by condensing a β-keto ester or anilide thereof with a 5-amino-1,2,4,1H-triazole, and their use as stabilizers to prevent fog and increase stability are given. Suitable β-keto esters and anilides are, e.g., Et acetoacetate, Et toluylacetylacetanilide. Condensation is carried out by heating the reagents at 150-60° with C6H5NO2 for from 10 min. to 2 hrs. The final product either ppts. or is removed by dilg. with an aromatic hydrocarbon, e.g., PhMe, or an oxygenated solvent, e.g., EtOH, and recrystd. from H2O. Instead of heating, the reactants may be allowed to stand in cold 5-20% aq. NaOH or KOH for several days at room temp., dild. with an equal vol. of H2O, and warmed to redissolve the product. Cold glacial AcOH is added and, after chilling, the product is filtered, washed in cold H2O, and recrystd. from boiling H2O. The following 2-propen-1-ones have been prepd.: 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl (IX); 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl (X); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl (XI); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-phenyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-ethyl; 1,3-bis(5-amino-3-propyl-1,2,4,1H-triazol-1-yl)-3-

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

methyl; 1,3-bis(5-amino-3-ethyl-1,2,4,1H-triazol-1-yl)-2,3-dimethyl. The following examples illustrate the prepn. of the compds.: Example 1. To 15 cc. C6H5NO2, 8.4 g. 5-amino-1,2,4,1H-triazole and 8.5 g. Et α-allylacetoacetate were added and the mixt. was heated to 150-60° 1 hr., cooled to room temp., and the product pptd. with Et2O. The ppt. was washed with Et2O and recrystd. from H2O with charcoal.

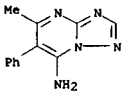
Example 2. 8.4 g. 5-amino-1,2,4,1H-triazole was dissolved in 15 cc. H2O, the mixt. cooled to room temp., and 13 g. ethyl acetoacetate added. After standing 15 min., a cold soln. of 4 g. NaOH in 10 cc. H2O was added slowly with cooling to keep at room temp. After standing for 2 days, the mixt. was dild. to 40 cc. and warmed to redissolve the ppt., then 6 g. cold glacial AcOH added, and, after chilling, the product filtered, washed with H2O, and recrystd. from boiling H2O. Example 3. To 15 cc. C6H5NO2, 9.8 g. 5-amino-3-methyl-1,2,4,1H-triazole and 6.5 g. Et acetoacetate were added and the mixt. was heated to 150160° 1 hr., cooled to room temp., and the product isolated by dilg. with Et2O and recrystg. from H2O.

Example 4. Example 3 was repeated except that 96 g. Et benzoylacetate was substituted for 6.5 g. Et acetoacetate. By the same procedure as used in the 1st example of U.S. 2,444,605 in testing VIII as stabilizers, IX had a fog d. of 0.06; an equiv. amt. of X gave the same results; 75 mg. XI substituted for 100 mg. IX gave a fog d. of 0.1. Cf. preceding and following abstrs.

IT 856864-28-3P, s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- 856864-33-0P, s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl-
RL: PREP (Preparation)
(preparation of)

RN 856864-28-3 CAPLUS

CN s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- (5CI) (CA INDEX NAME)



RN 856864-33-0 CAPLUS

CN s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- (5CI) (CA INDEX NAME)

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 NEWS  3  JAN 16   CA/CAplus Company Name Thesaurus enhanced and reloaded
 NEWS  4  JAN 16   IPC version 2007.01 thesaurus available on STN
 NEWS  5  JAN 16   WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
 NEWS  6  JAN 22   CA/CAplus updated with revised CAS roles
 NEWS  7  JAN 22   CA/CAplus enhanced with patent applications from India
 NEWS  8  JAN 29   PHAR reloaded with new search and display fields
 NEWS  9  JAN 29   CAS Registry Number crossover limit increased to 300,000 in
                   multiple databases
 NEWS 10  FEB 15   PATDPASPC enhanced with Drug Approval numbers
 NEWS 11  FEB 15   RUSSIAPAT enhanced with pre-1994 records
 NEWS 12  FEB 23   KOREAPAT enhanced with IPC 8 features and functionality
 NEWS 13  FEB 26   MEDLINE reloaded with enhancements
 NEWS 14  FEB 26   EMBASE enhanced with Clinical Trial Number field
 NEWS 15  FEB 26   TOXCENTER enhanced with reloaded MEDLINE
 NEWS 16  FEB 26   IFICDB/IFIPAT/IFIUDB reloaded with enhancements
 NEWS 17  FEB 26   CAS Registry Number crossover limit increased from 10,000
                   to 300,000 in multiple databases
 NEWS 18  MAR 15   WPIDS/WPIX enhanced with new FRAGHITSTR display format
 NEWS 19  MAR 16   CASREACT coverage extended
 NEWS 20  MAR 20   MARPAT now updated daily
 NEWS 21  MAR 22   LWPI reloaded
 NEWS 22  MAR 30   RDISCLOSURE reloaded with enhancements
 NEWS 23  APR 02   JICST-EPLUS removed from database clusters and STN
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 NEWS 26  APR 30   CA/CAplus enhanced with 1870-1889 U.S. patent records
 NEWS 27  APR 30   INPADOC replaced by INPADOCDB on STN
 NEWS 28  MAY 01   New CAS web site launched
 NEWS 29  MAY 08   CA/CAplus Indian patent publication number format defined
 NEWS 30  MAY 14   RDISCLOSURE on STN Easy enhanced with new search and display
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 NEWS 31  MAY 21   BIOSIS reloaded and enhanced with archival data
 NEWS 32  MAY 21   TOXCENTER enhanced with BIOSIS reload
 NEWS 33  MAY 21   CA/CAplus enhanced with additional kind codes for German
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 NEWS 34  MAY 22   CA/CAplus enhanced with IPC reclassification in Japanese
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 NEWS EXPRESS  NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
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AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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DICTIONARY FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

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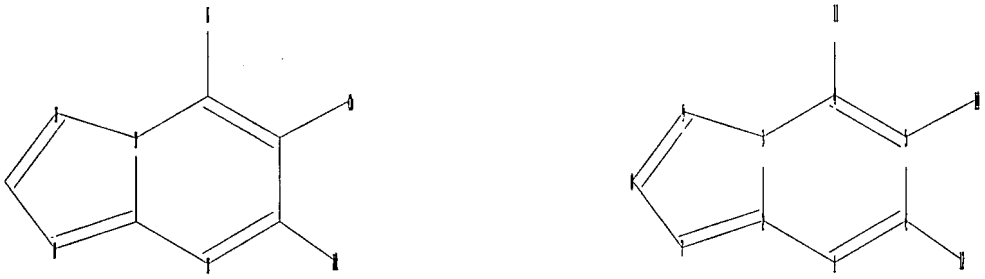

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4-11 5-10 6-12
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exact bonds :
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Match level :
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FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)


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L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1948:33759 CAPLUS
DOCUMENT NUMBER: 42:33759
ORIGINAL REFERENCE NO.: 42:7178h-i,7179a-i,7180a-i
TITLE: Stabilizers for photographic emulsions
INVENTOR(S): Heimbach, Newton; Kelly, Walter, Jr.
PATENT ASSIGNEE(S): General Aniline & Film Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2444605		19480706	US 1945-635334	19451215

GI For diagram(s), see printed CA Issue.

AB Light-sensitive Ag halide emulsions are stabilized by hydroxy-1,3,4-triazaindolizines (I) obtained by the condensation of a β-keto ester, a malonic acid ester, or a mononitrile of a malonic acid ester with an aminotriazole. In I R is H, alkyl, alicyclic, aryl, or heterocyclic, R' is H, alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R, and R'' is either NH2, OH, carbalkoxy, alkyl, or an alicyclic or heterocyclic radical of the same value as R. When R and R' are H, R'' must be a radical other than alkyl. I is prepared by refluxing 1 mol. of the β-keto ester, malonic ester, or mononitrile of a malonic ester with 1 mol. 3-amino-1,2,4-triazole at reflux temperature in the presence of a solvent, e.g., glacial AcOH, 3-8 hrs.; during the treatment H2O and alc. are formed. As the condensation proceeds the final product either ppts. from solution during the reaction or is removed by diluting the solvent with H2O, EtOH, etc. Suitable β-keto esters are acetoacetic ester, malonic esters and mononitriles are di-Me malonate, Et cyanoacetate, and 5-amino-1,2,4,1H-triazoles are 5-amino-3-methyl-1,2,4,1H-triazole, etc. The following 1,3,4-triazaindolizines have been prepared: 7-hydroxy-6-ethyl-5-methyl (II); 7-hydroxy-6-ethyl-2,5-dimethyl; 7-hydroxy-5-methyl-2-phenyl; 7-hydroxy-2-methyl-5-phenyl; 7-hydroxy-5-phenyl (III); 7-hydroxy-2,5-diphenyl; 7-hydroxy-2-isopropyl-5-methyl; 7-hydroxy-2,5-dimethyl; 5,7-dihydroxy; 7-hydroxy-5-amino; 7-hydroxy-5-carbethoxy; 7-hydroxy-5-(3-pyridyl) (IV); 7-hydroxy-2-cyclohexyl-5-methyl; 7-hydroxy-2-(2-furyl)-5-methyl; 7-hydroxy-5-cyclohexyl; 7-hydroxy-6-cyclohexyl-5-methyl; 7-hydroxy-6-(2-furyl)-5-methyl; 7-hydroxy-5-methyl-6-phenyl. In preparing an emulsion with stabilizers, a solution of the stabilizer in a solvent, e.g., alc. or alc.-H2O, pH 7.5-10, is made and the solution mixed with the emulsion during ripening or prior to coating in concns. of 25-500 mg. per 1. of emulsion. Testing of stabilizers used in the following examples consists of coating 2 film strips, e.g., cellulose acetate, with the same emulsion, one with and one without a stabilizer, storing the emulsions in an incubator for 6 days at 50°, then processing in the usual way. The fog d. in the unexposed areas in the emulsions is measured in a transmission densitometer. A gelatin-bromoiodide emulsion without stabilizer gave a fog d. of 0.28 while another film coated with the same emulsion containing an addition of 100 mg. IV per 1 l. emulsion equivalent to 50 g. Ag halide, gave a fog d. of 0.08; an equivalent quantity of III substituted for IV gave the same results; 75 mg. II substituted for 100 mg. IV gave a fog d. of 0.1.

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Emulsions contg. these stabilizers not only reduce fog produced by incubation or by long storage, but also diminish or eliminate changes of speed to which some emulsions are susceptible. Stabilizers are used in orthochromatic, panchromatic, nonsensitized, and x-ray emulsions. If used with sensitizing dyes they are added to the emulsion before or after the dyes are added. Dispersing agents for Ag halides are gelatin or H2O-sol. cellulose derivs., e.g., hydroxyethylcellulose. Stabilizers are employed in gelatin or other colloid, e.g., polyamides, as an under- or overcoat for the emulsion or as backing layer for the support. They may be incorporated in the support for the sensitive emulsion layer or in an intermediate layer between the sensitive emulsion layer and the support, such as the baryta coating used in photographic papers, or incorporated in a protective layer coated on the emulsion surface, or the finished photographic material may be bathed in an alc. or alc.-H2O soln. contg. the stabilizer. In U.S. 2,444,606, I are obtained by the condensation of a β-keto or β-imino nitrile with a 5-amino-1,2,4,1H-triazole; R and R' are H, alkyl, alicyclic, aryl, or a heterocyclic radical, and R'' is either alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R. Suitable β-keto nitriles are acetylacetonitrile and β-imino nitriles, β-iminobutyronitrile. As condensation between the β-keto or β-imino group and the primary amino group of the 5-amino-1,2,4,1H-triazole proceeds the final product either ppts. or is removed by dilg. the solvent with H2O, EtOH, or Me2CO. The following 1,3,4-triazaindolizines have been prepd.: 7-amino-5-methyl (V); 7-amino-5-phenyl (VI); 7-amino-5-methyl-2-phenyl (VII); 7-amino-6-ethyl-5-methyl; 7-amino-5-methyl-6-phenyl; 7-amino-2-(2-furyl)-5-methyl; 7-amino-5-(3-pyridyl); 7-amino-2,5-dimethyl; 7-amino-2-cyclohexyl-5-methyl; 7-amino-5-cyclohexyl; 7-amino-5-methyl-6-(3-pyridyl); 7-amino-5-methyl-6-cyclohexyl. The same testing procedures as in U.S. 2,444,605 were used: In the 1st example, V gave the same results; in the 2nd example, VI gave the same results; in the 3rd example, 75 mg. VII substituted for 100 mg. V gave a fog d. of 0.1. In U.S. 2,444,608, the prepn. of 1,3-bis(5-amino-1,3,4,1H-triazolyl)oxopropenes (VIII), where R is H or alkyl, R' is alkyl of the same value as R, aryl, or aralkyl, and R'' is either H, allyl, or alkyl of the same value as R, by condensing a β-keto ester or anilide thereof with a 5-amino-1,2,4,1H-triazole, and their use as stabilizers to prevent fog and increase stability are given. Suitable β-keto esters and anilides are, e.g., Et acetoacetate, Et toluylacetylacetanilide. Condensation is carried out by heating the reagents at 150-60° with C6H5NO2 for from 10 min. to 2 hrs. The final product either ppts. or is removed by dilg. with an aromatic hydrocarbon, e.g., PhMe, or an oxygenated solvent, e.g., EtOH, and recrystd. from H2O. Instead of heating, the reactants may be allowed to stand in cold 5-20% aq. NaOH or KOH for several days at room temp., dild. with an equal vol. of H2O, and warmed to redissolve the product. Cold glacial AcOH is added and, after chilling, the product is filtered, washed in cold H2O, and recrystd. from boiling H2O. The following 2-propen-1-ones have been prepd.: 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl (IX); 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl (X); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl (XI); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-phenyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-ethyl; 1,3-bis(5-amino-3-propyl-1,2,4,1H-triazol-1-yl)-3-

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

methyl; 1,3-bis(5-amino-3-ethyl-1,2,4,1H-triazol-1-yl)-2,3-dimethyl. The following examples illustrate the prepn. of the compds.: Example 1. To 15 cc. C6H5NO2, 8.4 g. 5-amino-1,2,4,1H-triazole and 8.5 g. Et α-allylacetoacetate were added and the mixt. was heated to 150-60° 1 hr., cooled to room temp., and the product pptd. with Et2O. The ppt. was washed with Et2O and recrystd. from H2O with charcoal.

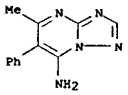
Example 2. 8.4 g. 5-amino-1,2,4,1H-triazole was dissolved in 15 cc. H2O, the mixt. cooled to room temp., and 13 g. ethyl acetoacetate added. After standing 15 min., a cold soln. of 4 g. NaOH in 10 cc. H2O was added slowly with cooling to keep at room temp. After standing for 2 days, the mixt. was dild. to 40 cc. and warmed to redissolve the ppt., then 6 g. cold glacial AcOH added, and, after chilling, the product filtered, washed with H2O, and recrystd. from boiling H2O. Example 3. To 15 cc. C6H5NO2, 9.8 g. 5-amino-3-methyl-1,2,4,1H-triazole and 6.5 g. Et acetoacetate were added and the mixt. was heated to 150160° 1 hr., cooled to room temp., and the product isolated by dilg. with Et2O and recrystg. from H2O.

Example 4. Example 3 was repeated except that 96 g. Et benzoylacetate was substituted for 6.5 g. Et acetoacetate. By the same procedure as used in the 1st example of U.S. 2,444,605 in testing VIII as stabilizers, IX had a fog d. of 0.06; an equiv. amt. of X gave the same results; 75 mg. XI substituted for 100 mg. IX gave a fog d. of 0.1. Cf. preceding and following abstrs.

IT 856864-28-3P, s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- 856864-33-0P, s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl-
RL: PREP (Preparation)
(preparation of)

RN 856864-28-3 CAPLUS

CN s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- (5CI) (CA INDEX NAME)



RN 856864-33-0 CAPLUS

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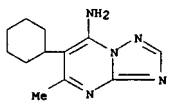
L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.22	180.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

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STRUCTURE FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7
DICTIONARY FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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=> S 856864-33-0/RN

L4 1 856864-33-0/RN

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YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.55 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 856864-33-0 REGISTRY
CN s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- (5CI) (CA INDEX NAME)
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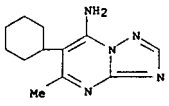

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

REG     - RN
SAM     - Index Name, MF, and structure - no RN
FIDE    - All substance data, except sequence data
IDE     - FIDE, but only 50 names
SQIDE   - IDE, plus sequence data
SQIDE3  - Same as SQIDE, but 3-letter amino acid codes are used
SQD     - Protein sequence data, includes RN
SQD3    - Same as SQD, but 3-letter amino acid codes are used
SQN     - Protein sequence name information, includes RN

CALC    - Table of calculated properties
EPROP   - Table of experimental properties
PROP    - EPROP and CALC

Any CA File format may be combined with any substance format to
obtain CA references citing the substance.  The substance formats
must be cited first.  The CA File predefined formats are:

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
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HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
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ENTER DISPLAY FORMAT (IDE):abs
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Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

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SIBIB ------- IBIB, no citations

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HELP FORMATS -- To see detailed descriptions of the predefined formats.
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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 856864-33-0 REGISTRY

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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 856864-33-0 REGISTRY
ED Entered STN: 25 Jul 2005
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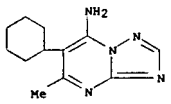

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